Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

1
F765Fo
Big Belt
Reserve

Flat
Folio

U. S. Department of Agriculture
FOREST SERVICE
GIFFORD PINCHOT, FORESTER

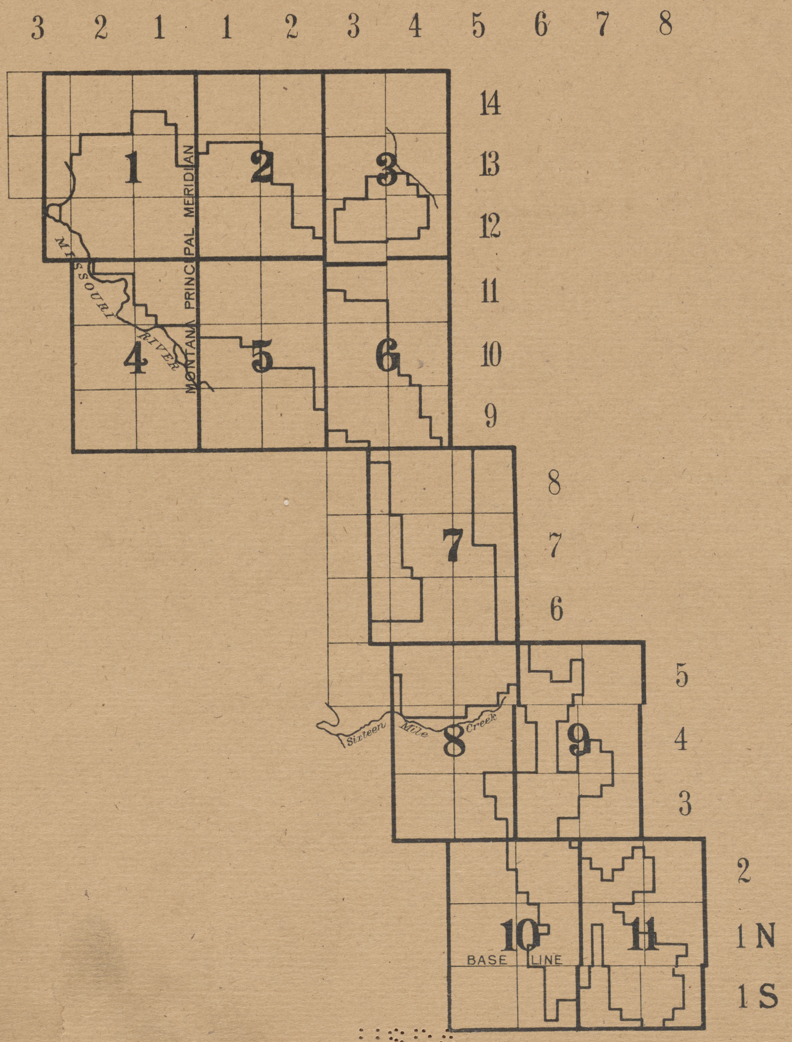
FOREST ATLAS

OF THE

NATIONAL FORESTS OF THE UNITED STATES

BIG BELT

FOLIO


3 2 1 1 2 3 4 5 6 7 8
14
13
12
11
10
9
8
7
6
5
4
3
2
1N
1S
1
2
3
4
5
6
7
8
9
10
11
MISSOURI RIVER
MONTANA PRINCIPAL MERIDIAN
Sixteen Mile Creek
BASE LINE

USDA
LIB

COMPILED AND PRINTED BY THE U. S. GEOLOGICAL SURVEY
GEORGE OTIS SMITH DIRECTOR

FOREST ATLAS

GENERAL CLASSIFICATION

Commercial Timber

- 🟩 Less than 2,000 B.F. per acre
- 🟩 2,000 to 5,000 B.F. per acre
- 🟩 5,000 to 10,000 B.F. per acre
- 🟩 10,000 to 25,000 B.F. per acre
- 🟫 25,000 to 50,000 B.F. per acre

- 🟩 Woodland, cordwood, poles, etc.
- 🟫 Chaparral or brush
- 🟧 Sagebrush
- 🟨 Grassland, parks, etc.
- ⬜ Barren, above timberline, etc.
- ▨ Desert
- ▥ Burn, not restocking
- ▥ Burn, scattering trees
- ▥ Burn, forest cover established
- ▨ Windfall
- ▨ Bug-killed or diseased
- 🟥 Old cutting, less than ⅓ of the merchantable timber removed
- ▨ Old cutting, ⅓ to ⅔ of the merchantable timber removed
- ▨ Old cutting, ⅔ to all of the merchantable timber removed

- ▧ Timber sales, less than ⅓ of the merchantable timber removed
- ▩ Timber sales, ⅓ to ⅔ of the merchantable timber removed
- ▩ Timber sales, ⅔ to all of the merchantable timber removed

- 🟥 Cultivated
- ▤ Irrigated

TITLE

- —— Alienations
- ⁞⁞⁞⁞ Permanent alienations
- Ⓐ State lands, approved
- ○ State lands, not approved

- **I** Indian allotments
- **L** Lieu selections
- **RP** Railway lands, patented
- **R** Railway lands, not patented
- **HP** Homesteads, patented
- **H** Homesteads, not patented
- **CE** Cash entry
- **T** Timber and stone
- **C** Coal entry
- **TE** Townsite entry

- 🟧 Mineral lode claims, patented
- **P** Mineral placer claims, patented
- **M** Mineral mill site, patented
- **MC** Mineral classification

GRAZING MAP LEGEND

- ⚑ Supervisor's headquarters

- ━━ Supervisor's division
- ══ Ranger's division
- ══ Grazing districts

- ⬜ Open for all stock
- 🟫 Open for cattle and horses only.
- 🟨 Open for sheep and goats only
- 🟧 Closed for all stock
- ▨ Lambing grounds
- 🟫 Driveways for stock
- ⊸ Corral

CONVENTIONAL SIGNS

- — — — Block line
- - - - - - - Compartment line, sales
- ············ Boundary line for all other classifications

- —·—·— Grant line
- ┬┬┬ Telegraph line
- ┬┬┬ Telephone line
- ─□─□─ Power line
- ├──┤├──┤ Pipe line
- ══::══:: Aqueduct
- ┼┼┼┼┼┼┼ Railroad
- ═·═·═ Tramway
- ─~─~─ Wire rope conveyor
- ═════ Wagon road
- ======= Secondary or private road
- - - - - - - Pack trail
- -- -- -- -- Foot trail
- ═════ Fire line
- ─×─×─ Fence
- -- -- -- Ditch
- →→→ Flume
- -→---→- Slide
- ~→ ~~→~ Log driving route
- >>>>>>>> Rollway
- ‡ Skidway
- ═══ Bridge
- ═══ Ferry
- ═══ Ford
- ∴∴∴ Sowing
- ▤ Nursery
- ⊸ Corral
- ⚑ Supervisor's headquarters
- ▲ Ranger's headquarters

- ▬ House
- ▬ Railroad station
- ▬ Stage station
- ▬ Power station
- ┳ Hotel
- ▟ Store
- ▙ School
- ✚ Church
- ⌑ Cemetery
- ■TEL. Telegraph office
- ■TLP. Telephone office
- ⌂ Cabin
- ⊠ Dairy
- ⌂ Logging camp
- ⌓ Sawmill, portable
- ◓ Sawmill, stationary
- ⋎ Grist mill
- ⋎◓ Grist and sawmill
- ⁂ Apiary
- ⚒ Mine location, unpatented
- **U.S.** Improvements made by the United States are marked U. S.

Proposed improvements are shown by the appropriate sign and are designated by "Proposed" on the margin of the maps

Abandoned improvements are shown by zeros O O O O and designated on the margin of the maps

ALPHA-NUMERIC SYMBOLS FOR WESTERN COMMERCIAL TREE SPECIES

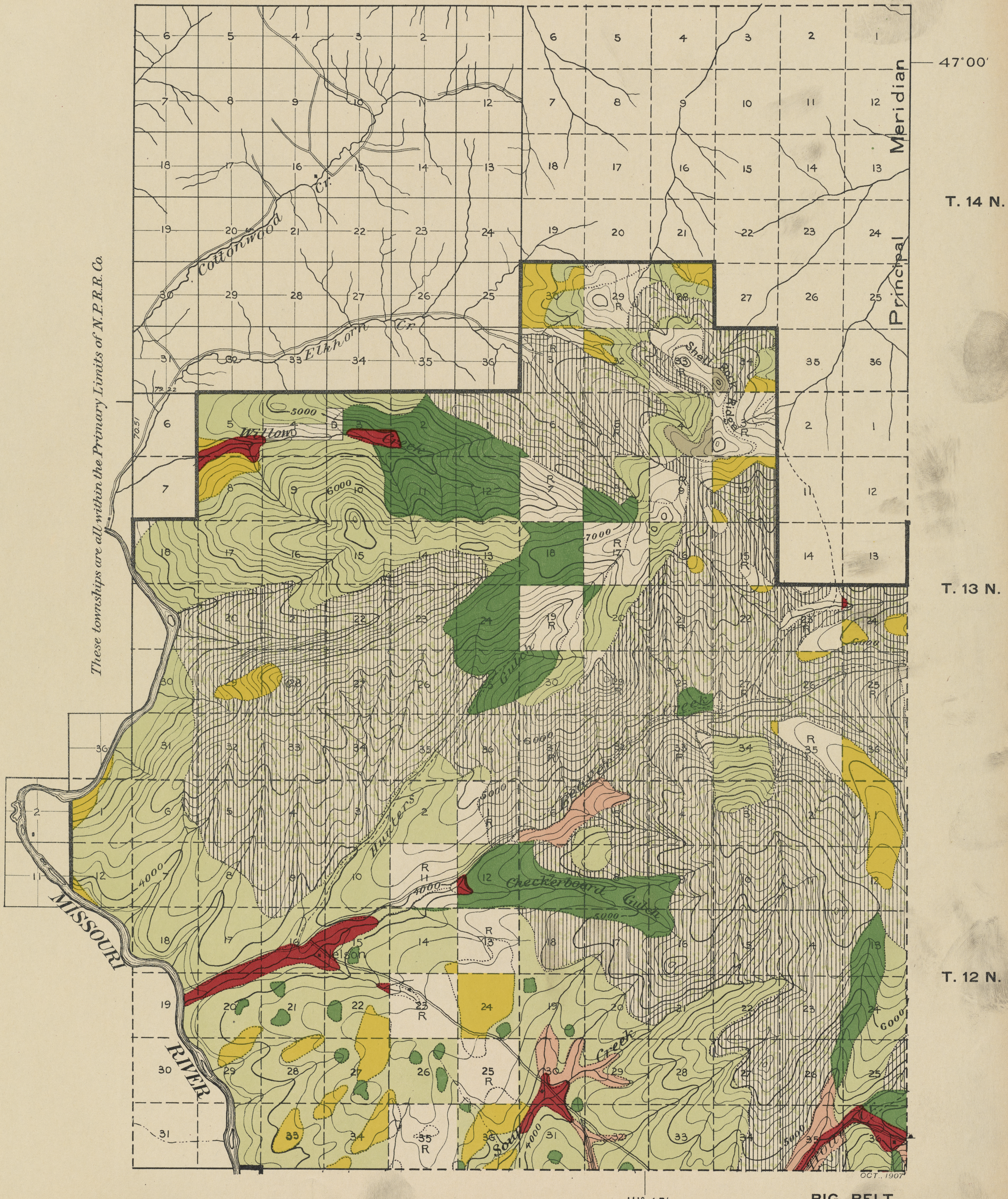
These will be used on maps, where limited space makes necessary, in the following manner:

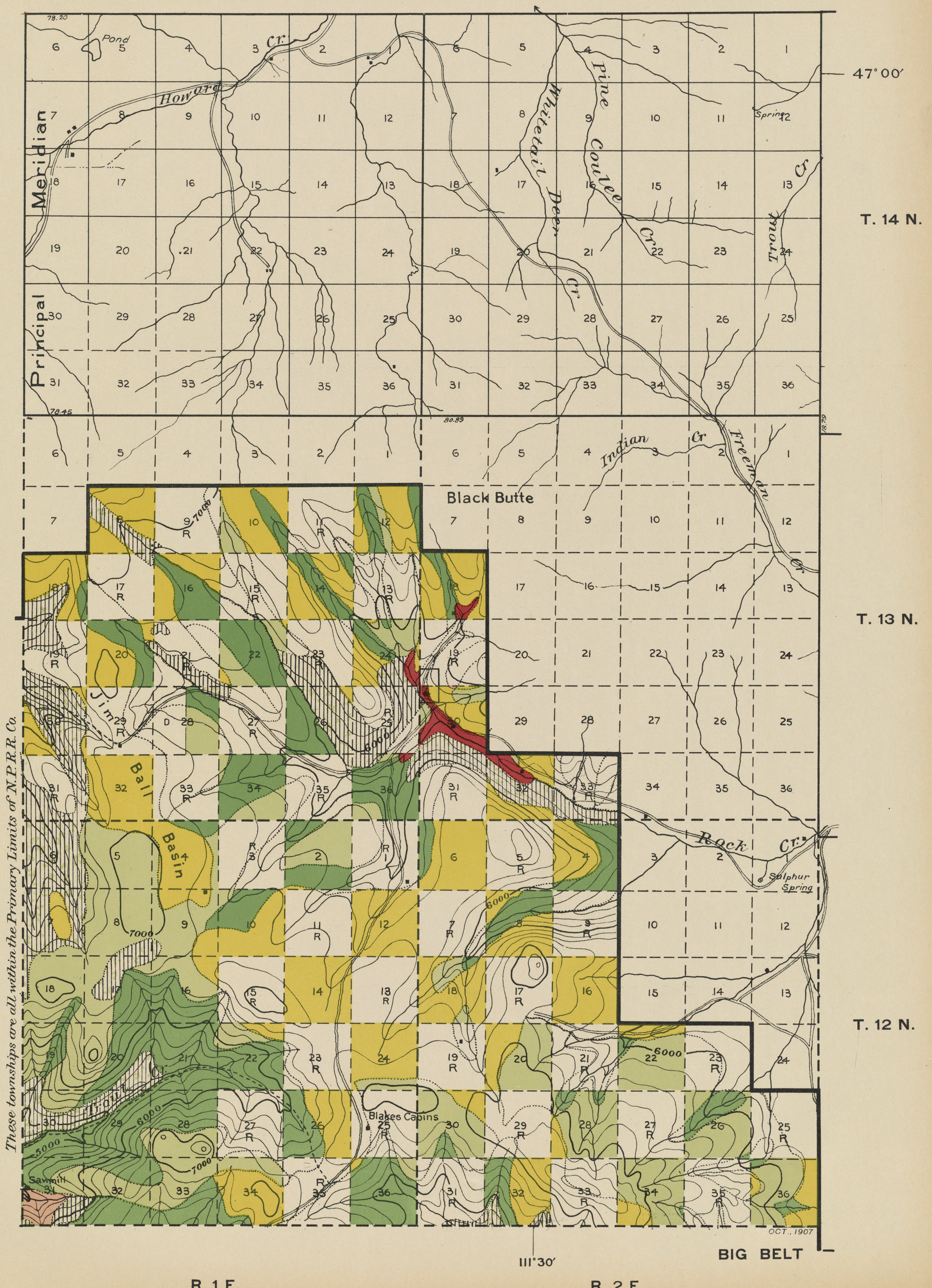
D129 = Pseudotsuga taxifolia, average stand 29,000 B.M. per acre

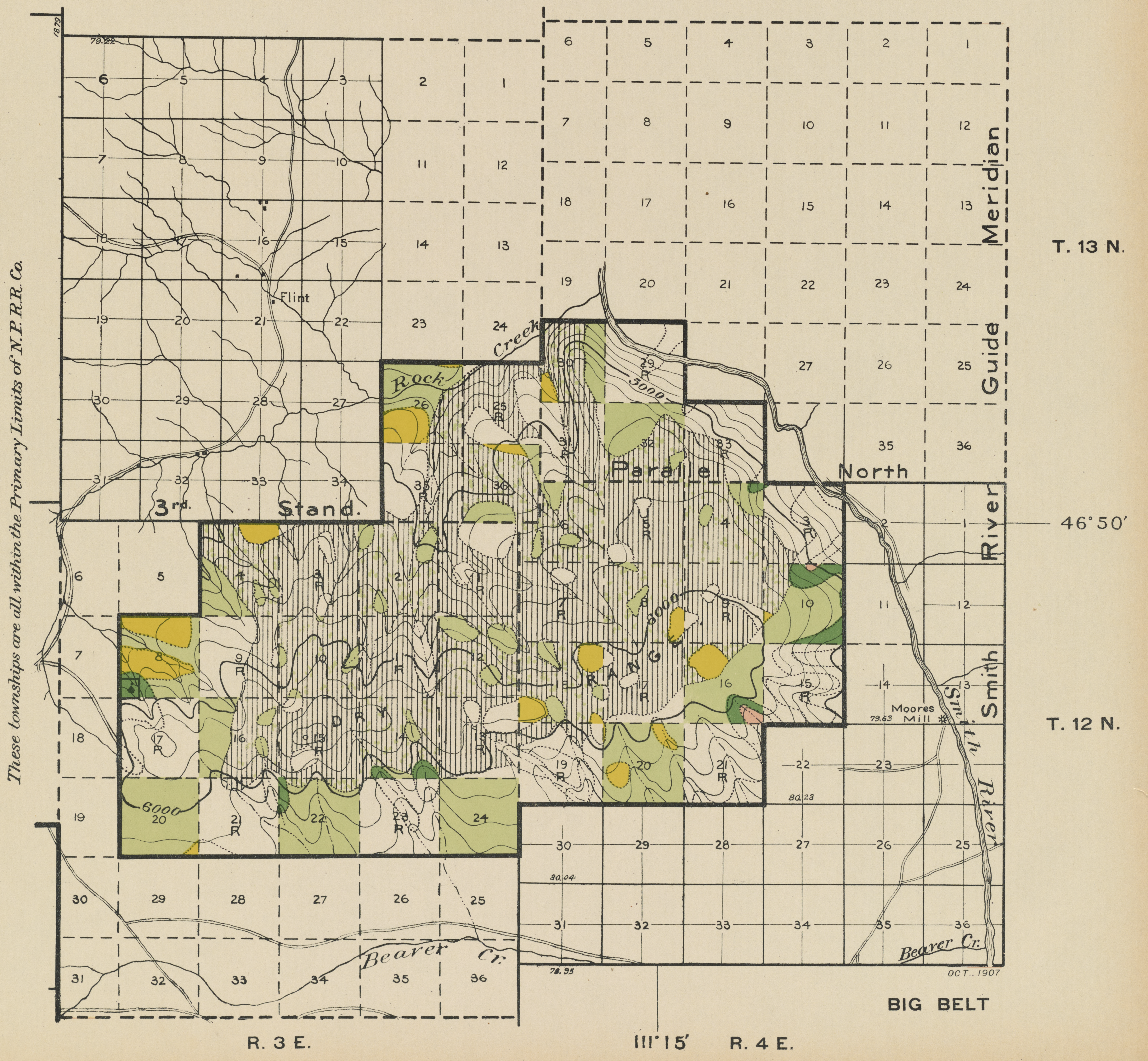
Q612 = Quercus agrifolia, average stand 12 cords per acre

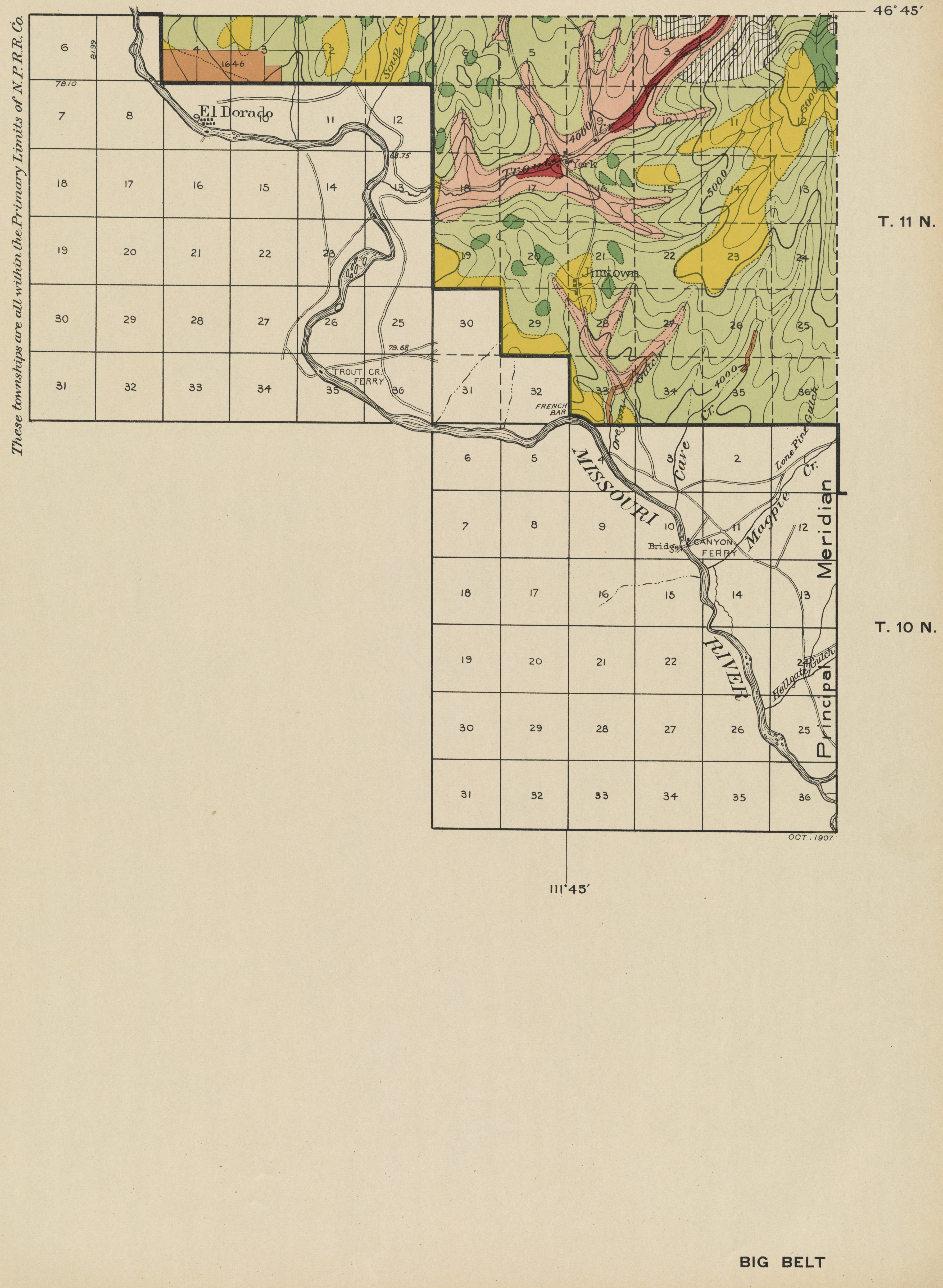
T67 = Thuja plicata, average stand 7 tele-poles per acre

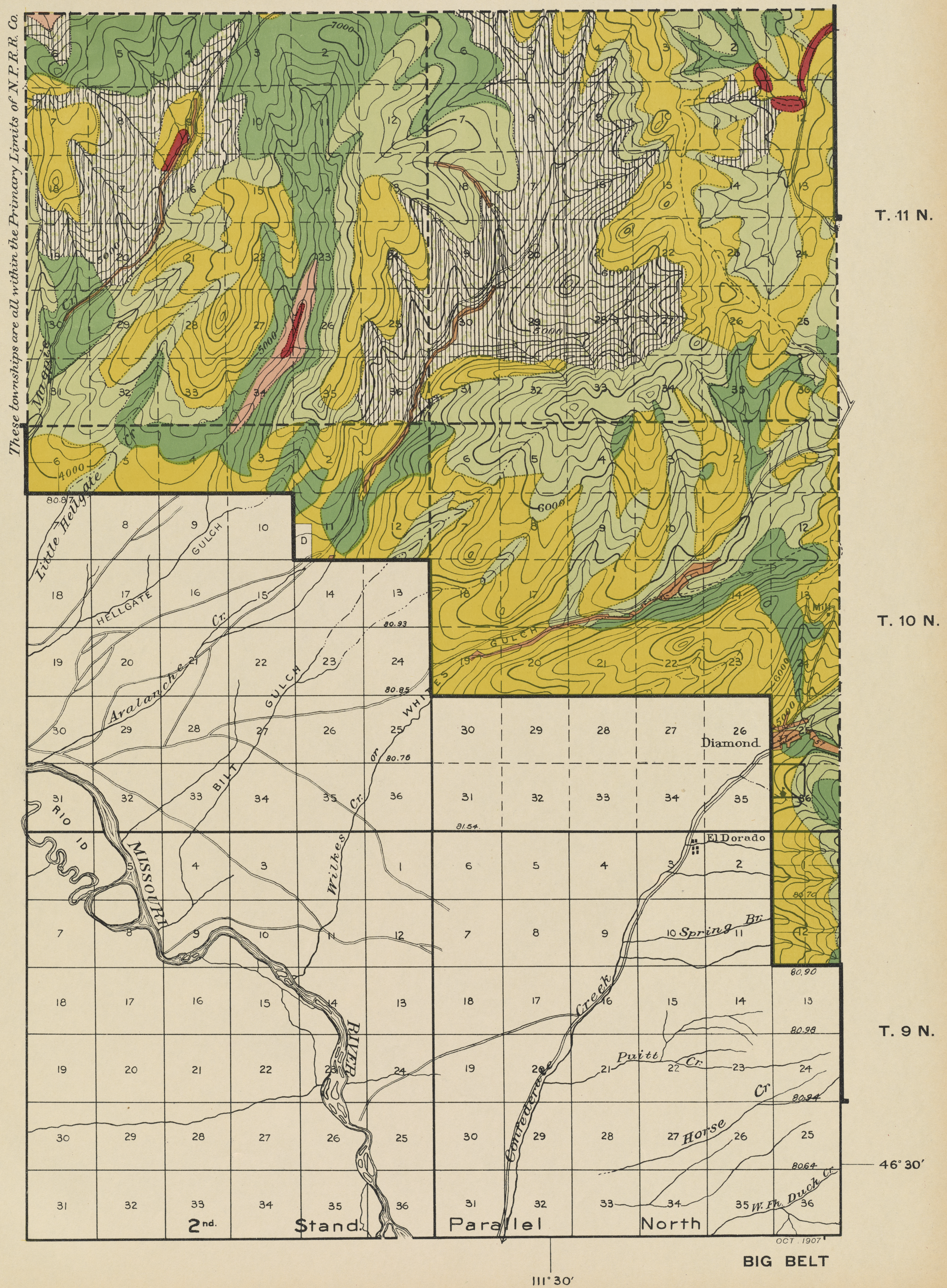
P0	Pinus murrayana	Lodgepole Pine
1	flexilis	Limber Pine
2	monticola	Western White Pine
3	lambertiana	Sugar Pine
4	ponderosa	Yellow Pine
5	coulteri	Coulter Pine
6	sabiniana	Gray Pine
7	jeffreyi	Jeffrey Pine
8	radiata	Monterey Pine
9	attenuata	Knobcone Pine
B2	strobiformis	Mexican White Pine
5	albicaulis	White-bark Pine
6	torreyana	Torrey Pine
7	edulis	Pinon
9	monophylla	Single-leaf Pinon
A1	Abies magnifica	Magnificent Fir
2	concolor	White Fir
3	shastensis	Shasta Fir
4	nobilis	Noble Fir
5	lasiocarpa	Alpine Fir
6	grandis	Lowland Fir
7	arizonica	Arizona Cork Fir
8	amabilis	Lovely Fir
9	venusta	Bristle-cone Fir
S2	Picea engelmanni	Engelmann Spruce
3	parryana	Blue Spruce
5	breweriana	Weeping Spruce
6	sitchensis	Sitka Spruce
D1	Pseudotsuga taxifolia	Douglas Fir (Red)
5	macrocarpa	Bigcone Spruce
H5	Tsuga mertensiana	Black Hemlock
6	heterophylla	Western Hemlock
R1	Sequoia sempervirens	Redwood
5	washingtoniana	Bigtree
C5	Chamæcyparis nootkatensis	Yellow Cedar
6	lawsoniana	Port Orford Cedar
T6	Thuja plicata	Red Cedar
L5	Larix lyallii	Alpine Larch
7	occidentalis	Western Larch
05	Libocedrus decurrens	Incense Cedar
K5	Cupressus macnabiana	Macnab Cypress
6	macrocarpa	Monterey Cypress
7	arizonica	Arizona Cypress
8	goveniana	Gowen Cypress
J1	Juniperus utahensis	Utah Juniper
2	pachyphlœa	Alligator Juniper
4	occidentalis	Western Juniper
5	sabinoides	Mountain Juniper
7	californica	California Juniper
9	monosperma	One seed Juniper
Q0	Quercus chrysolepis	Canyon Live Oak
1	californica	California Black Oak
2	lobata	California White Oak
3	douglasii	Blue Oak
4	garryana	Pacific Post Oak
5	wislizeni	Highland Oak
6	agrifolia	California Live Oak
7	gambelii	Gambel Oak
8	densiflora	California Tanbark Oak
9	engelmanni	Engelmann Oak
M2	Acer macrophyllum.	Oregon Maple
5	glabrum	Dwarf Maple
9	negundo californicum	California Boxelder
W0	Populus trichocarpa	Black Cottonwood
2	fremontii	Fremont Cottonwood
5	tremuloides	Aspen
7	angustifolia	Narrowleaf Cottonwood.
F1	Fraxinus pennsylvanica	Red Ash
6	oregona	Oregon Ash
8	lanceolata	Green Ash
U1	Prunus demissa	Western Choke Cherry
Y7	Platanus wrightii	Arizona Sycamore
8	racemosa	California Sycamore
X0	Salix lasiandra	Western Black Willow
2	sessilifolia	Silverleaf Willow
9	amygdaloides.	Almondleaf Willow

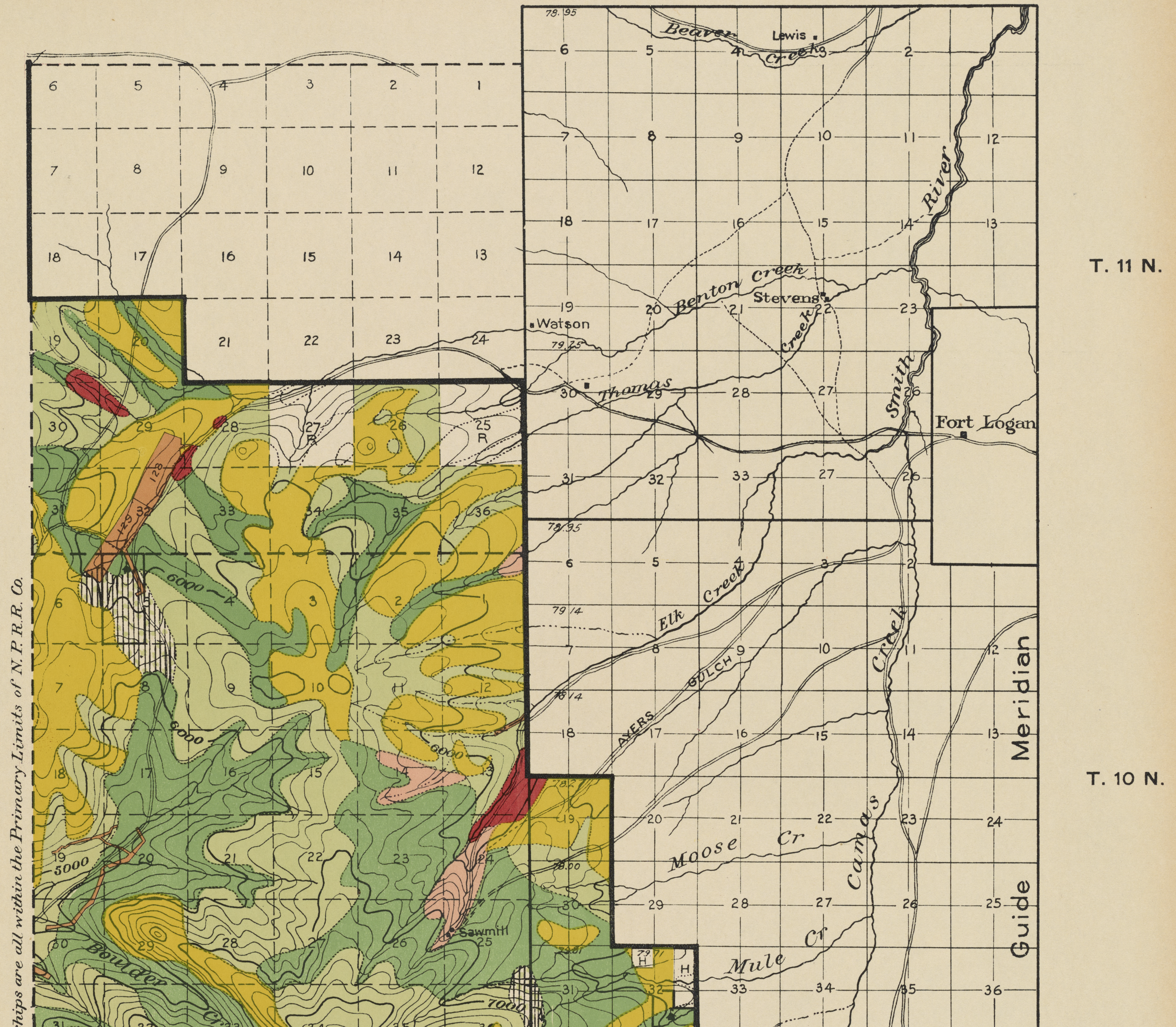

47°00'
Meridian
Principal
T. 14 N.
T. 13 N.
T. 12 N.
These townships are all within the Primary Limits of N. P. R. R. Co.
Cottonwood Cr.
Elkhorn Cr.
Willow Creek
Shell Rock Ridge
Gulch
Creek
Beaver
Hunters
Checkerboard Gulch
Nelson
Soup
Creek
MISSOURI
RIVER
5000
6000
7000
4000
OCT., 1907
111°45'
BIG BELT
R. 2 W.
R. 1 W.

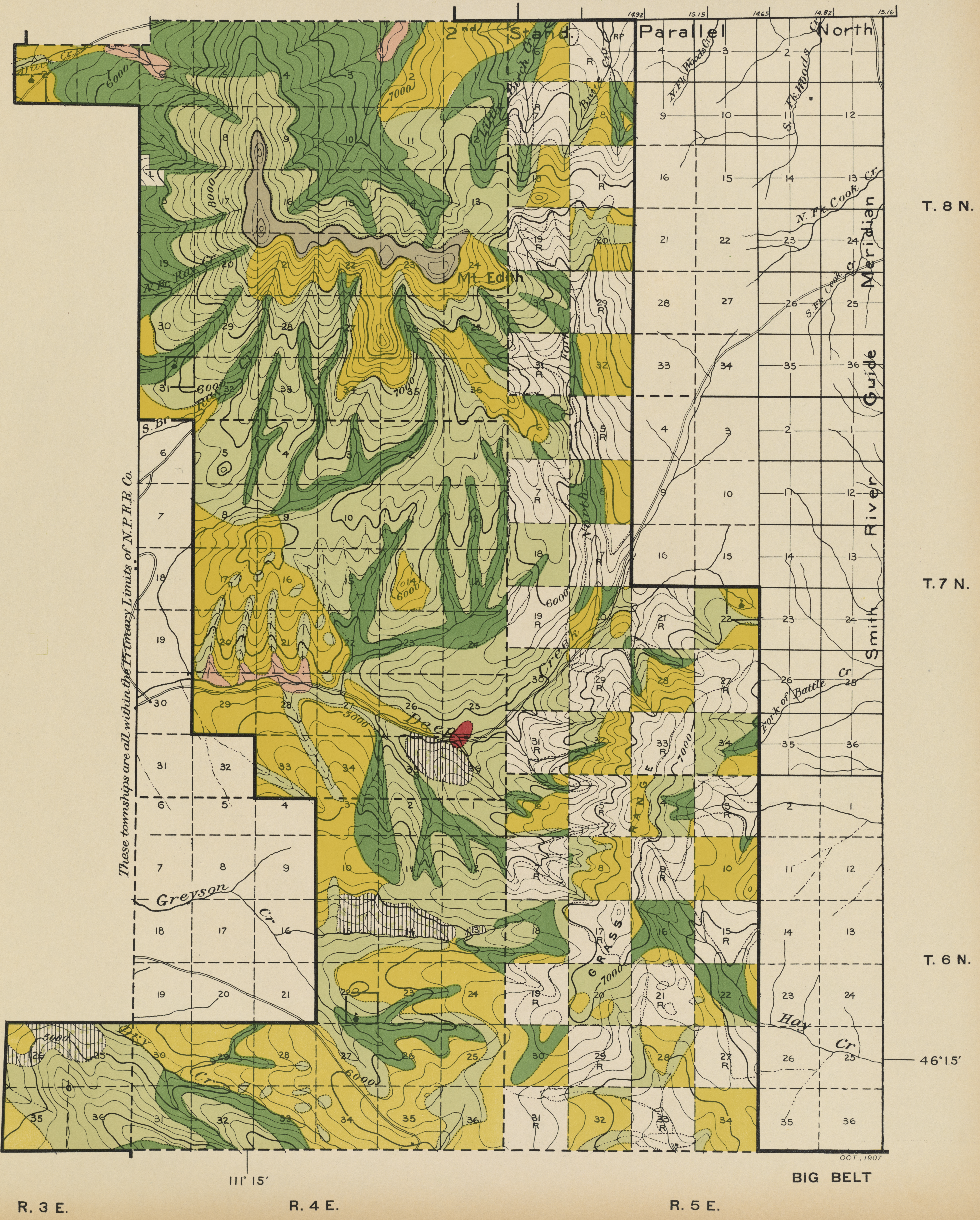

Pond
Howard Cr.
Principal Meridian
Whitetail Deer Cr.
Pine Coulee Cr.
Trout Cr.
Spring
47°00′
T. 14 N.
Indian Cr.
Freeman Cr.
Black Butte
T. 13 N.
Jim Ball Basin
Rock Cr.
Sulphur Spring
7000
6000
5000
T. 12 N.
Blakes Cabins
Trout
Sawmill
OCT., 1907
111°30′
BIG BELT
R. 1 E.
R. 2 E.
These townships are all within the Primary Limits of N.P.R.R. Co.


These townships are all within the Primary Limits of N.P.R.R. Co.
Flint
Rock Creek
3rd. Stand. Parallel North
Guide Meridian
T. 13 N.
46°50'
T. 12 N.
Smith River
Moores Mill
DRY RANGE
3000
6000
Beaver Cr.
OCT. 1907
BIG BELT
R. 3 E.
111°15'
R. 4 E.

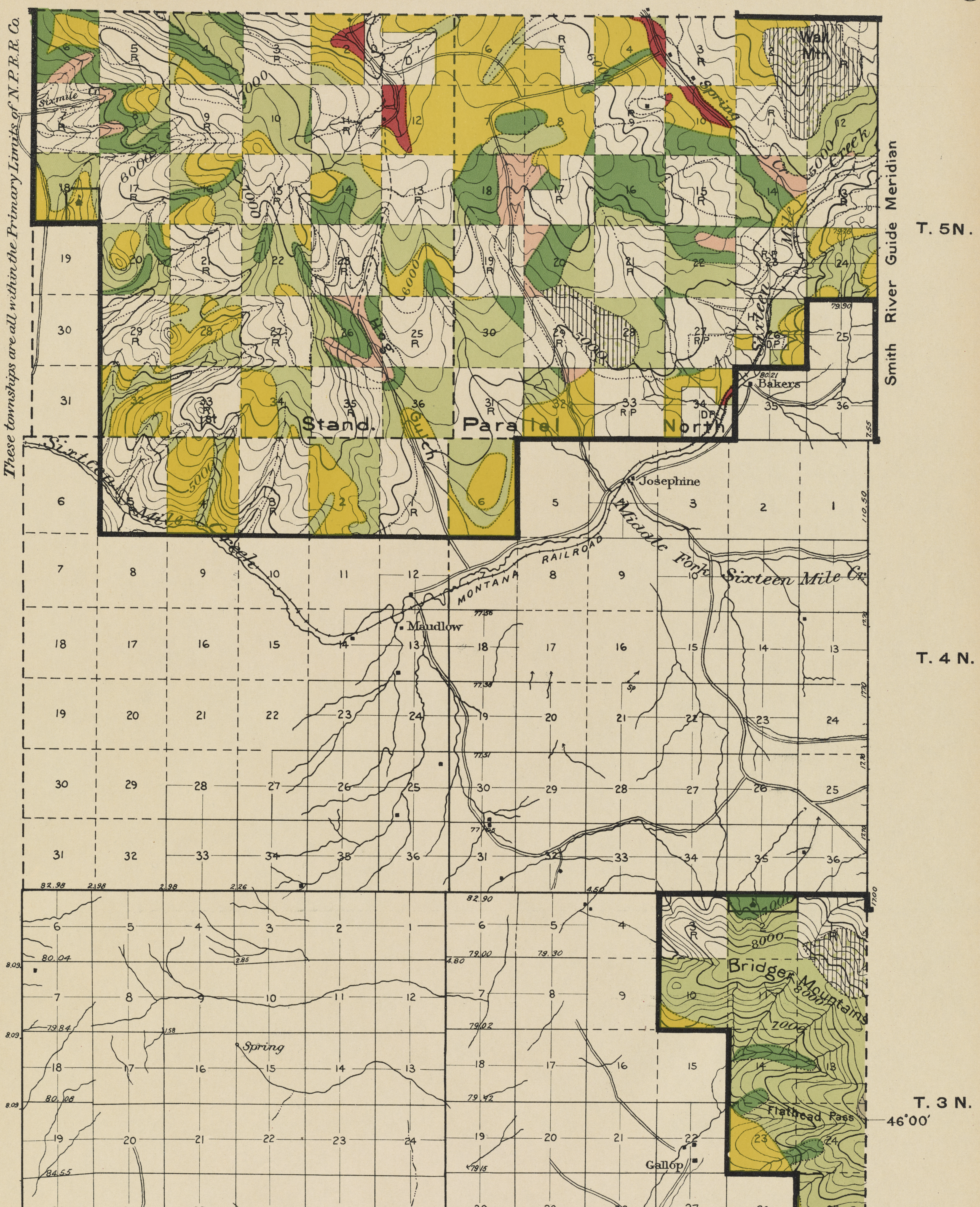

These townships are all within the Primary Limits of N.P.R.R. Co.
46°45′
T. 11 N.
T. 10 N.
111°45′
El Dorado
York
Jimtown
Soup Cr.
Trout Cr.
TROUT CR. FERRY
FRENCH BAR
MISSOURI RIVER
Oregon Gulch
Cave Cr.
Magpie Cr.
Lone Pine Gulch
Hellgate Gulch
Bridge
CANYON FERRY
Principal Meridian
4000
5000
81.99
78.10
16.46
28.75
79.68
OCT. 1907
BIG BELT
R. 2 W
R. 1 W.

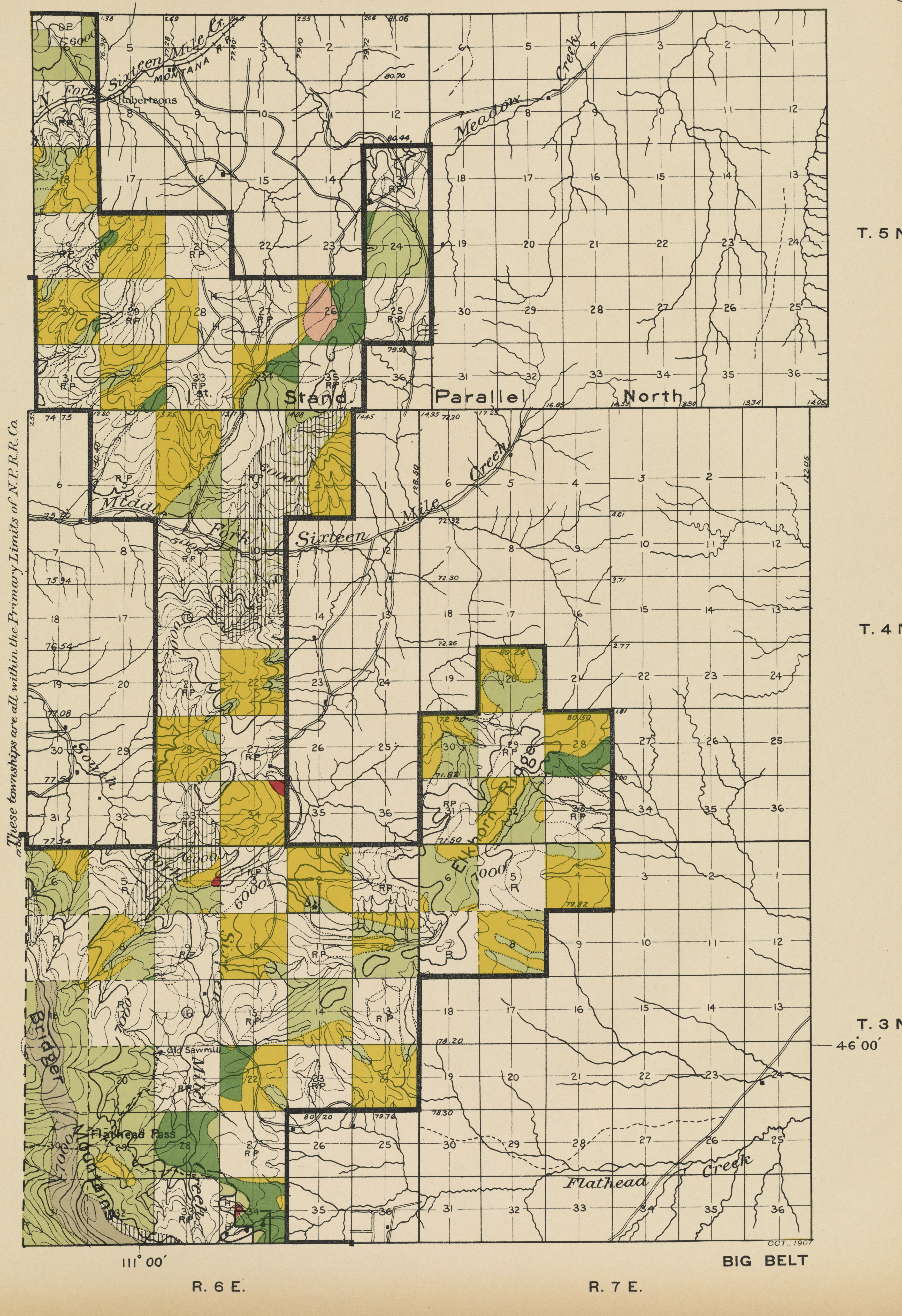

These townships are all within the Primary Limits of N. P. R. R. Co.
T. 11 N.
T. 10 N.
T. 9 N.
46° 30'
111° 30'
R. 1 E.
R. 2 E.
BIG BELT
OCT. 1907
2nd Stand. Parallel North
Magpie Cr.
Little Hellgate
Cr.
HELLGATE GULCH
Avalanche Cr.
BILT GULCH
Wilkes Cr. or WHITES GULCH
MISSOURI RIVER
RIO ID
Confederate Creek
Diamond
El Dorado
Spring Br.
Puitt Cr.
Horse Cr.
W. Fk. Duck Cr.
Mill
D
7000
6000
5000
4000
80.87
80.93
80.85
80.76
81.54
80.70
80.90
80.98
80.94
80.64

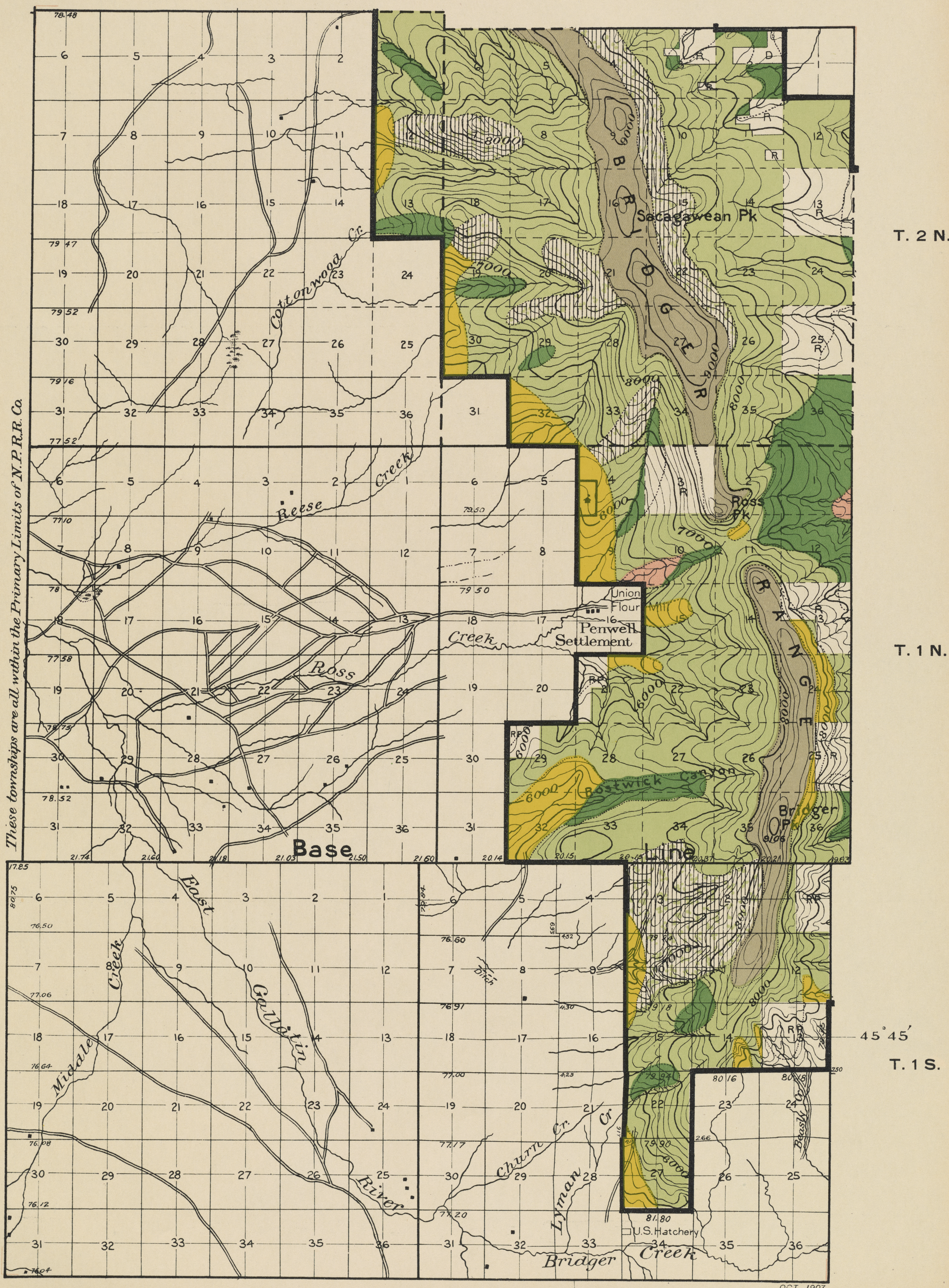

These townships are all within the Primary Limits of N. P. R. R. Co.
Beaver Creek
Lewis
Benton Creek
Stevens
Watson
Thomas
Creek
Smith River
Fort Logan
Elk Creek
AYERS GULCH
Camas Creek
Moose Cr
Mule Cr
Guide Meridian
Smith River
THOMPSON GULCH
ROAD
Birch Creek
Sawmill
Boulder Cr
Atlanta Gulch
Spring Gulch
Horse Cr
Mining Camp
MUSCLESHELL
W. Fk. Duck
2nd. Stand. Parallel North
T. 11 N.
T. 10 N.
T. 9 N.
R. 3 E.
R. 4 E.
BIG BELT
46°30'
111°15'
OCT., 1907
5000
6000
7000
8000
78.95
79.25
79.14
78.14
78.00
79.72
79.91

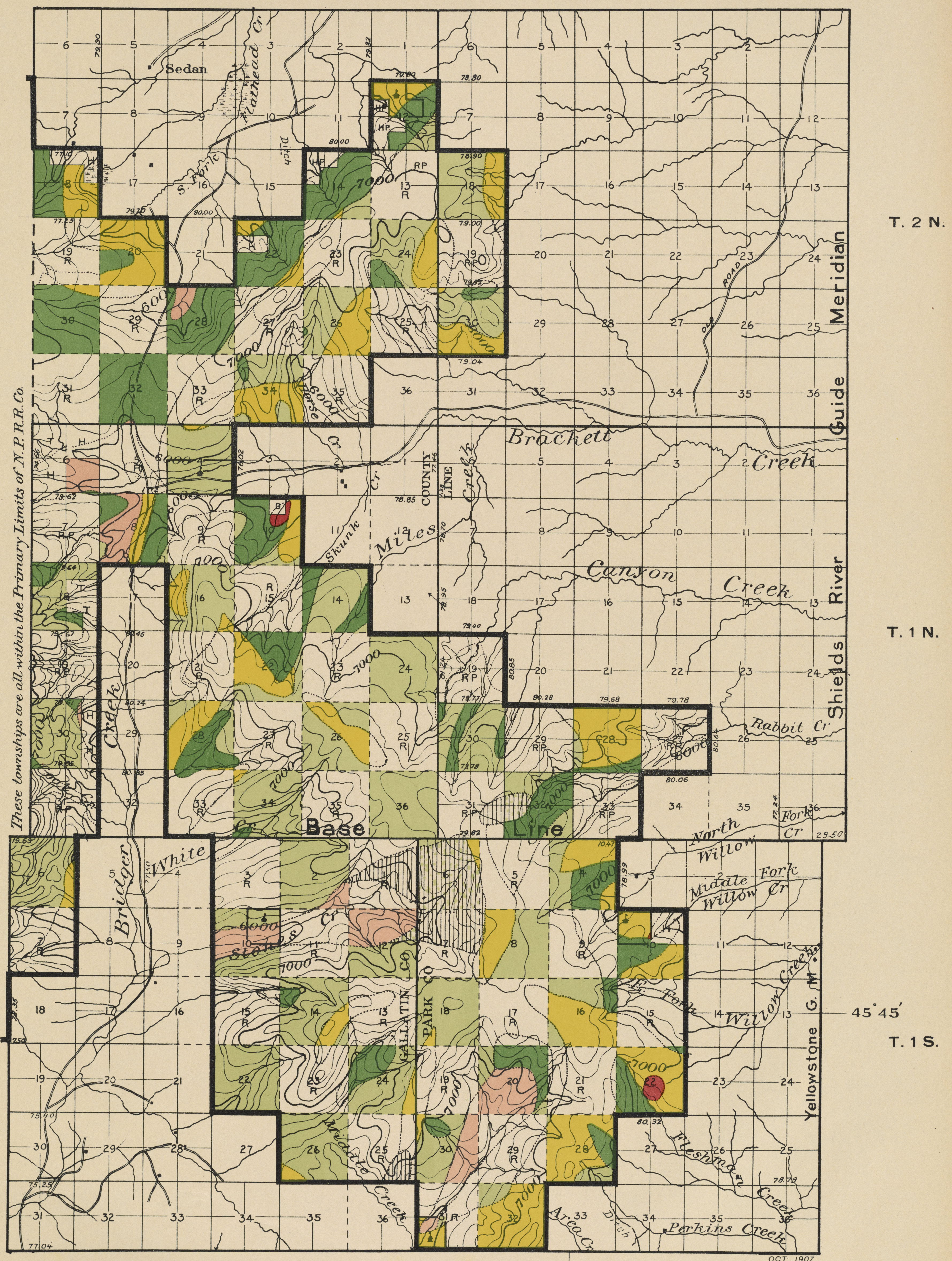

2nd Stand. Parallel North
1492
15.15
14.65
14.82
15.16
Mt. Edith
N. Fk. Woods Cr.
S. Fk. Woods Cr.
N. Fk. Cook Cr.
S. Fk. Cook Cr.
Guide Meridian
Smith River
T. 8 N.
T. 7 N.
T. 6 N.
46°15'
Fork of Battle Cr.
Hay Cr.
North Fork
Deep Creek
GRASS RANGE
Greyson Cr.
Dry Cr.
S. Br.
These townships are all within the Primary Limits of N.P.R.R. Co.
5000
6000
7000
8000
OCT., 1907
111° 15'
R. 3 E.
R. 4 E.
R. 5 E.

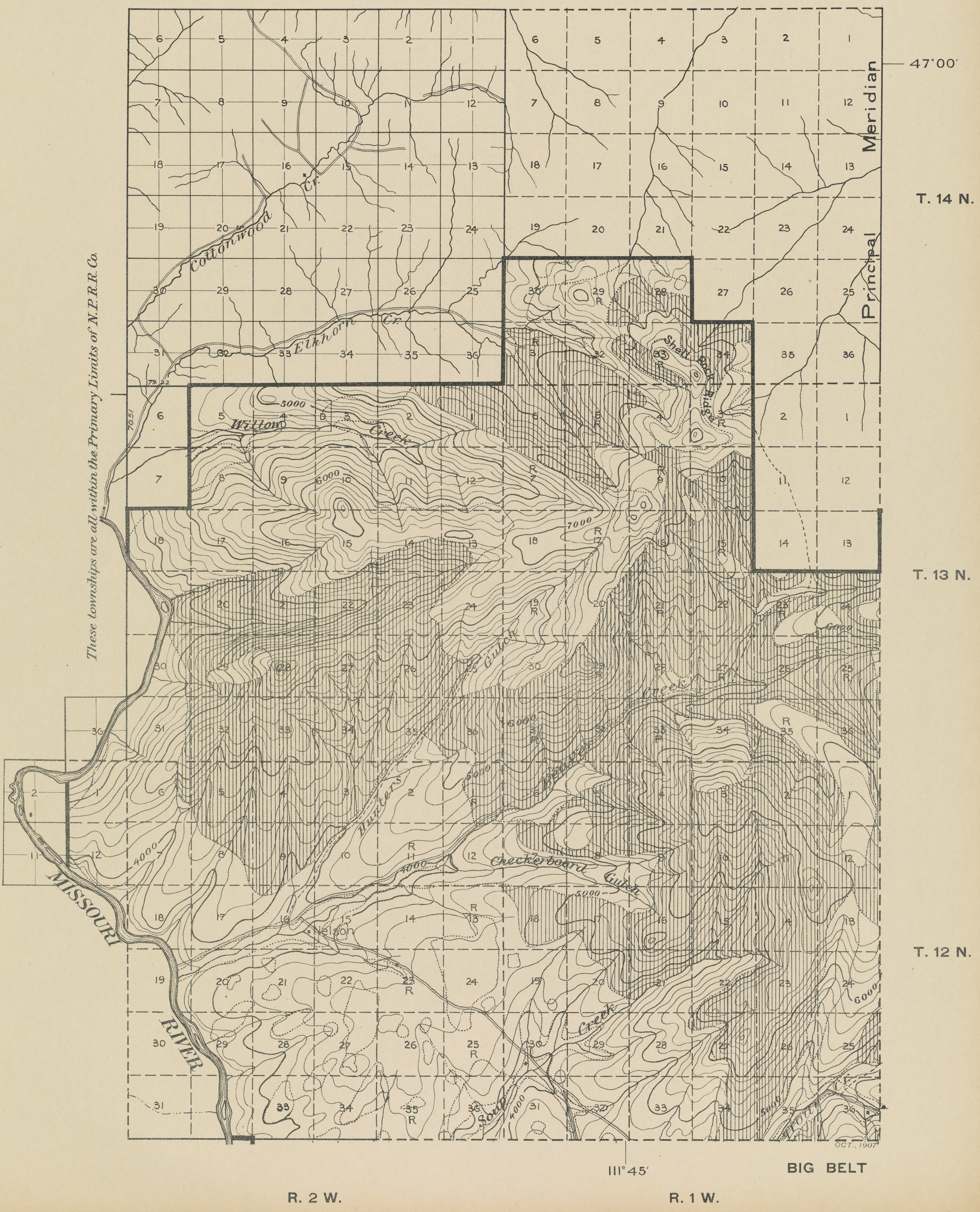
BIG BELT

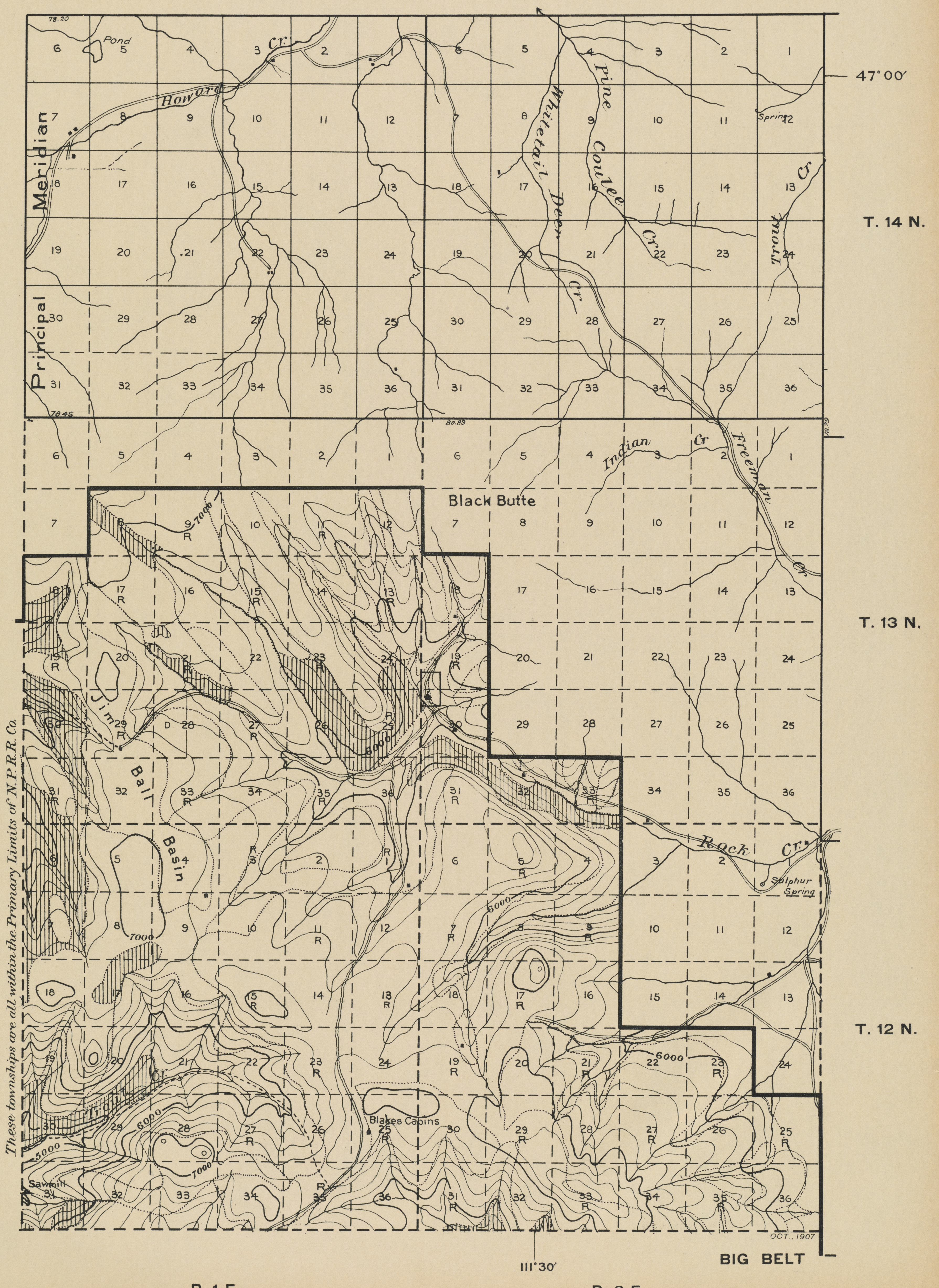

These townships are all within the Primary Limits of N.P.R.R. Co.
Sixmile Cr.
Wall Mtn.
Spring Cr.
Sixteen Mile Creek
Hog Gulch
Stand. Parallel North
Bakers
Smith River Guide Meridian
T. 5 N.
Sixteen Mile Creek
Josephine
Middle Fork Sixteen Mile Cr.
MONTANA RAILROAD
Maudlow
T. 4 N.
Spring
Bridger Mountains
Flathead Pass
46°00'
T. 3 N.
Gallop
Pass Cr.
OCT., 1907
111°15'
BIG BELT
R. 4 E.
R. 5 E.

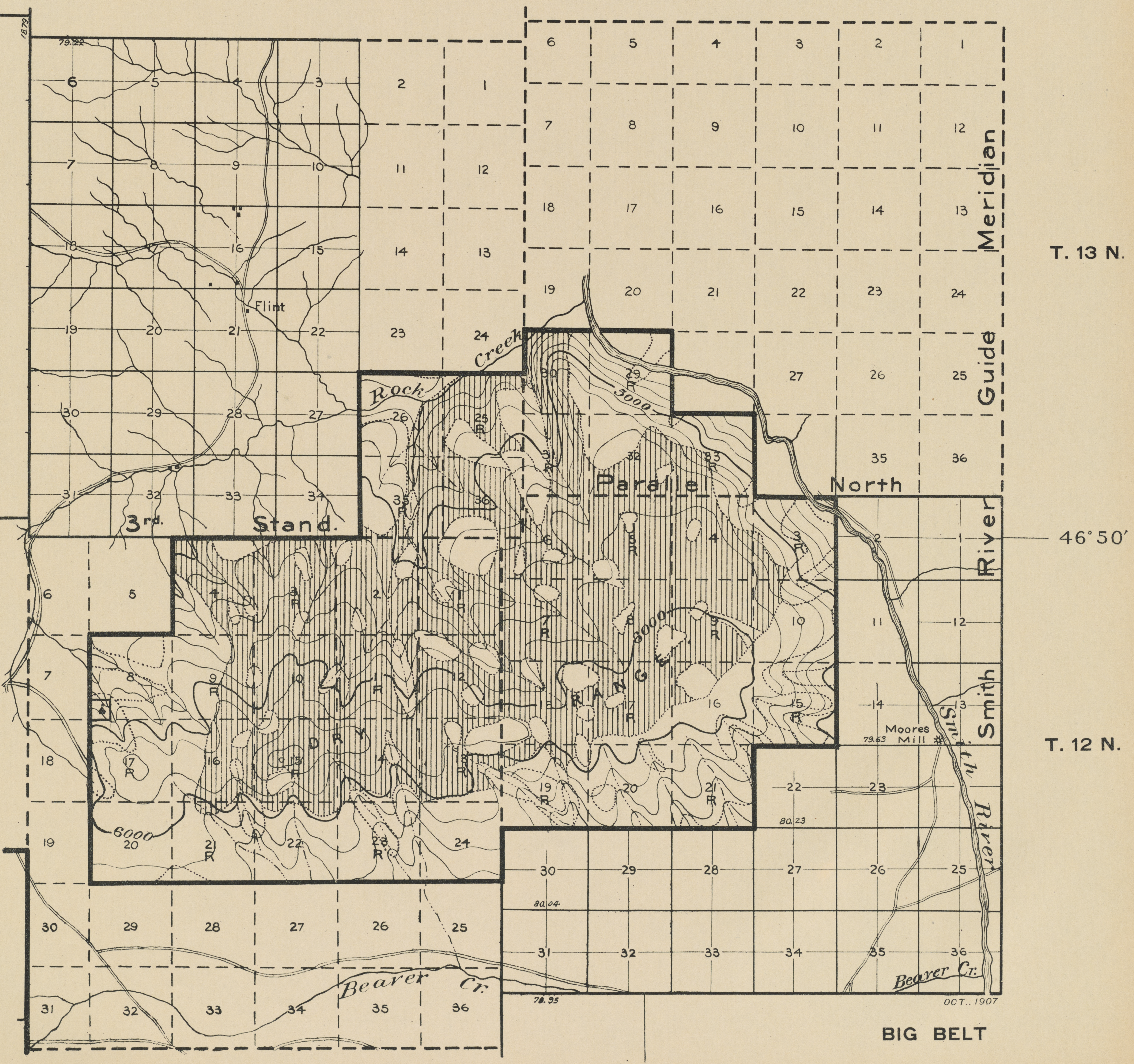

These townships are all within the Primary Limits of N.P.R.R. Co.
T. 5 N.
T. 4 N.
T. 3 N.
R. 6 E.
R. 7 E.
111° 00'
46° 00'
BIG BELT
OCT., 1907
N. Fork Sixteen Mile Cr.
MONTANA R.R.
Robertsons
Meadow Creek
Stand. Parallel North
Middle Fork Sixteen Mile Creek
South Fork
Elkhorn Ridge
Old Sawmill
Flathead Pass
Bridger Mountains
Flathead Creek
Mile Creek


These townships are all within the Primary Limits of N.P.R.R. Co.
BRIDGER RANGE
Sacagawean Pk
Ross Pk
Bridger Pk
Union Flour Mill
Penwell Settlement
Bostwick Canyon
Base Line
Cottonwood Cr.
Reese Creek
Ross Creek
Middle Creek
East Gallatin River
Churn Cr.
Lyman Cr.
Bridger Creek
Basin Cr.
U.S. Hatchery
Ditch
6000
7000
8000
T. 2 N.
T. 1 N.
T. 1 S.
45°45′
111° 00′
R. 5 E.
R. 6 E.
BIG BELT
OCT., 1907


Sedan
S. Fork
Flathead Cr
Ditch
Horse Cr
Brackett Creek
Skunk Cr
Miles Creek
COUNTY LINE
Canyon Creek
Rabbit Cr
Bridger Creek
White Cr
Base Line
North Willow Fork Cr
Middle Fork Willow Cr
Sixteen Cr
E. Fork Willow Creek
GALLATIN CO
PARK CO
Middle Creek
Flesher Creek
Area Cr
Ditch
Perkins Creek
OLD ROAD
Guide Meridian
Shields River
Yellowstone G. M.
These townships are all within the Primary Limits of N.P.R.R. Co.
T. 2 N.
T. 1 N.
T. 1 S.
45° 45'
110° 45'
R. 7 E.
R. 8 E.
BIG BELT
OCT., 1907
6000
7000

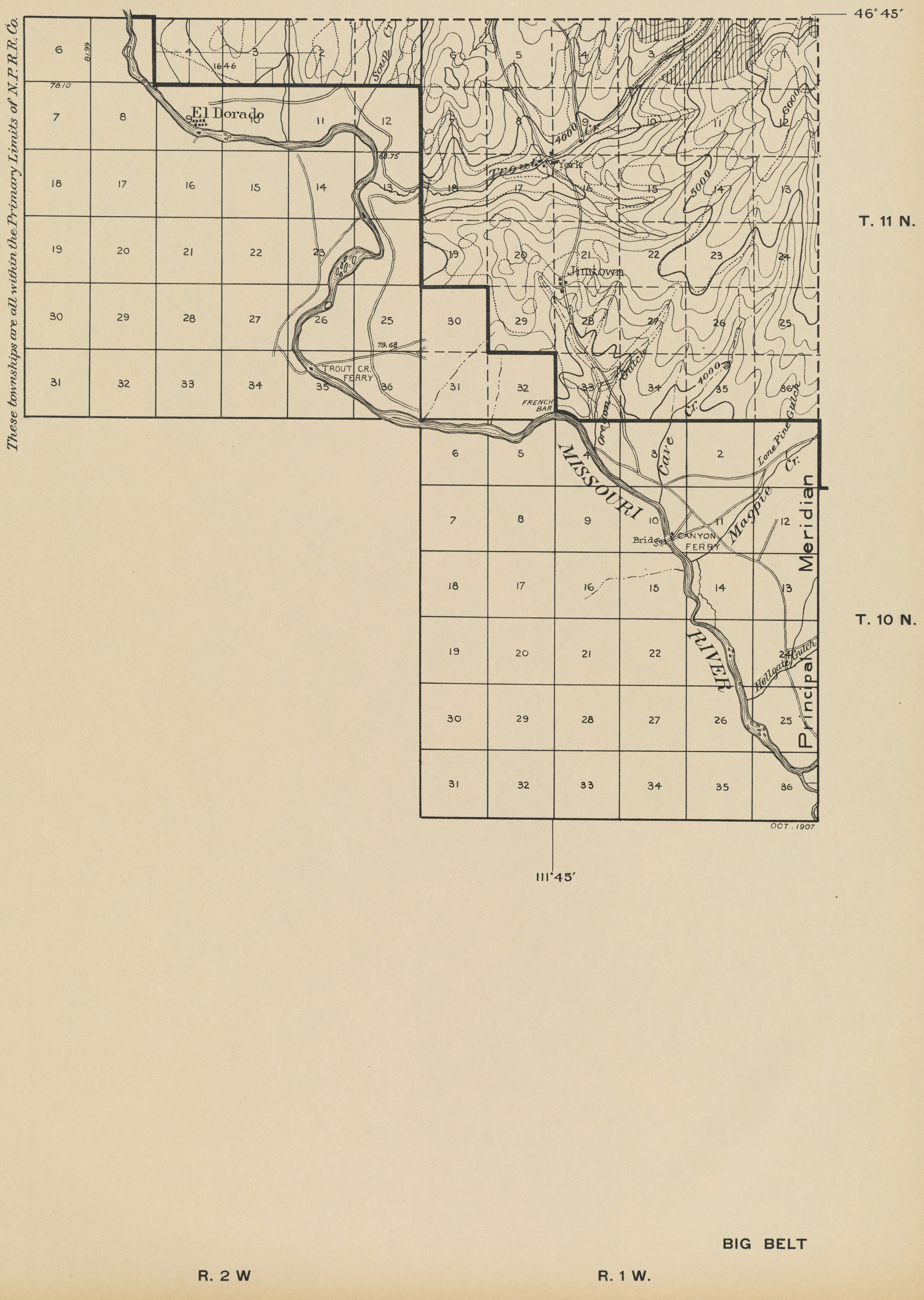

These townships are all within the Primary Limits of N.P.R.R. Co.
47°00'
Principal Meridian
T. 14 N.
T. 13 N.
T. 12 N.
Cottonwood Cr.
Elkhorn Cr.
Willow Creek
Shell Rock Ridge
Hunters Gulch
Beaver Creek
Checkerboard Gulch
Soup Creek
MISSOURI RIVER
Nelson
5000
6000
7000
4000
OCT., 1907
111°45'
BIG BELT
R. 2 W.
R. 1 W.


Principal Meridian
Pond
Howard Cr.
Whitetail Deer Cr.
Pine Coulee Cr.
Trout Cr.
Spring
Indian Cr.
Freeman Cr.
Black Butte
Jim Ball Basin
Rock Cr.
Sulphur Spring
Blakes Cabins
Sawmill
47° 00′
T. 14 N.
T. 13 N.
T. 12 N.
R. 1 E.
R. 2 E.
111° 30′
BIG BELT
OCT., 1907
These townships are all within the Primary Limits of N.P.R.R. Co.
7000
6000
5000
78.20
78.45
80.99
18.79



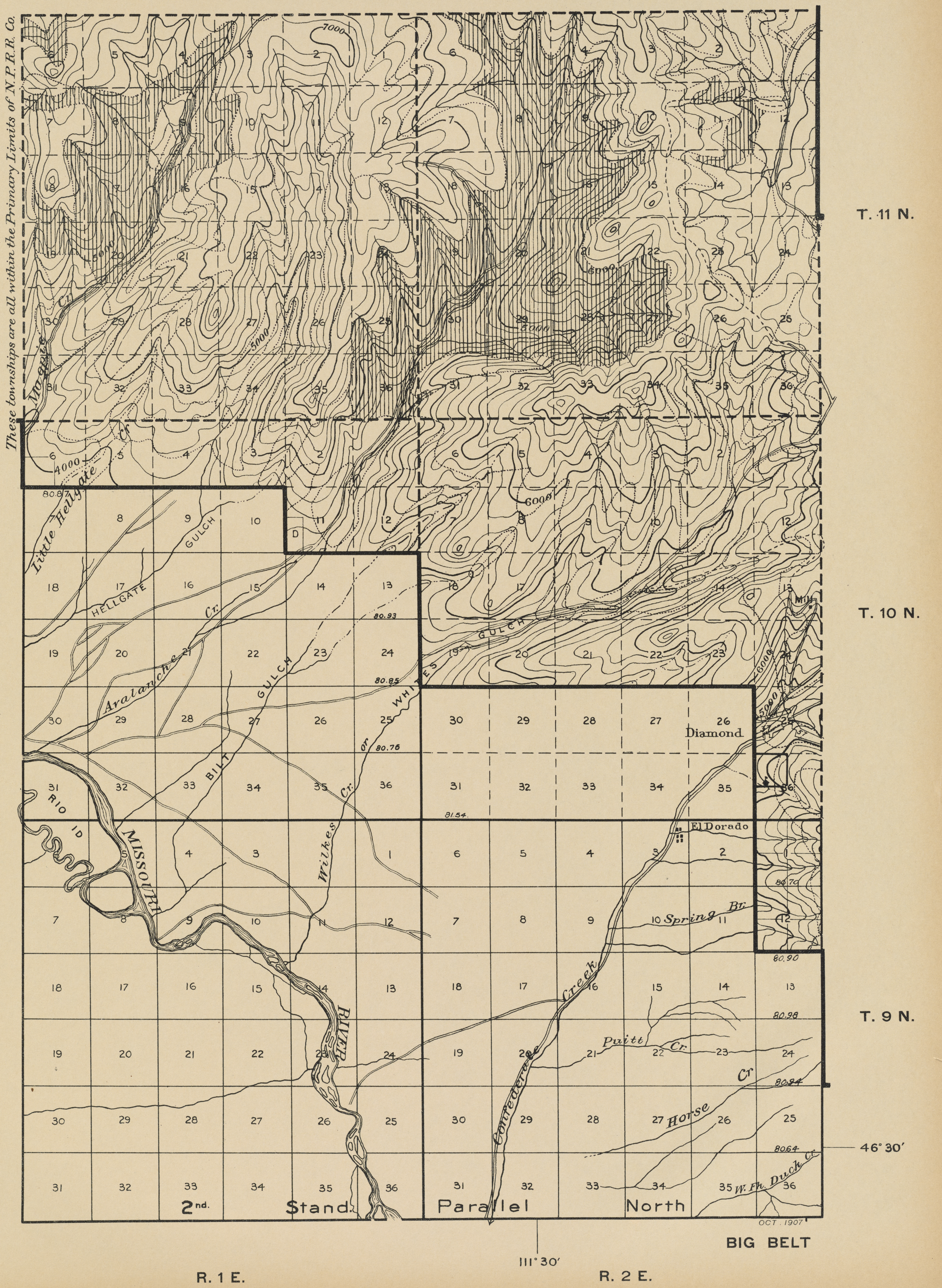
T. 13 N.
T. 12 N.
46°50′
3rd Stand. Parallel North
Guide Meridian
Smith River
Rock Creek
Flint
DRY RANGE
Beaver Cr.
Moores Mill
79.63
79.22
80.23
80.04
78.95
6000
5000
OCT., 1907
BIG BELT
R. 3 E.
111°15′
R. 4 E.

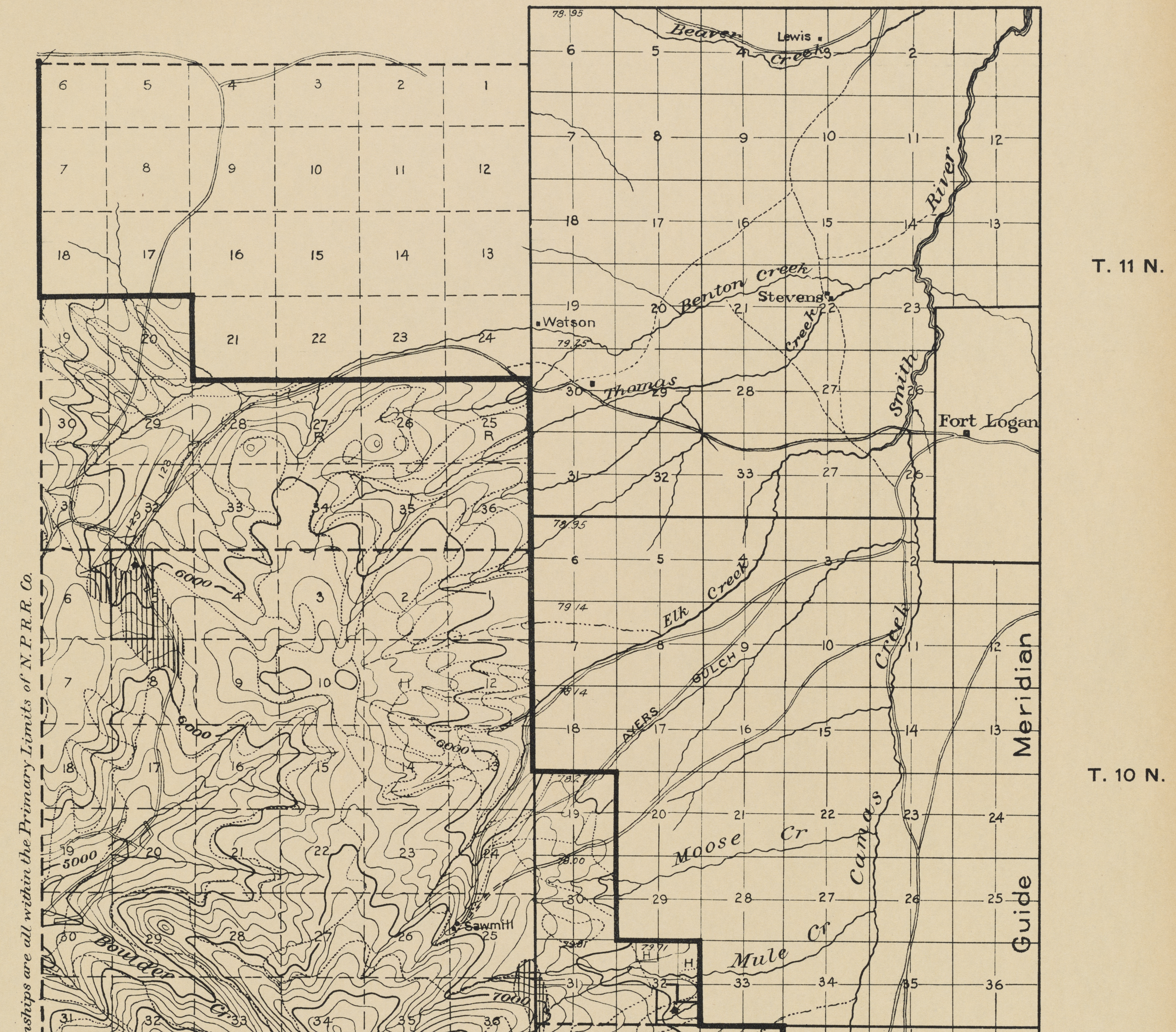
These townships are all within the Primary Limits of N. P. R. R. Co.


46° 45′
T. 11 N.
T. 10 N.
El Dorado
Soup Cr.
Trout Cr.
York
4000
5000
6000
Jimtown
Trout Cr. Ferry
French Bar
Missouri River
Oregon Gulch
Cave Cr.
Lone Pine Gulch
Magpie Cr.
Bridge
Canyon Ferry
Hellgate Gulch
Principal Meridian
81.99
78.10
16.46
88.75
79.68
111°45′
Big Belt
R. 2 W
R. 1 W.

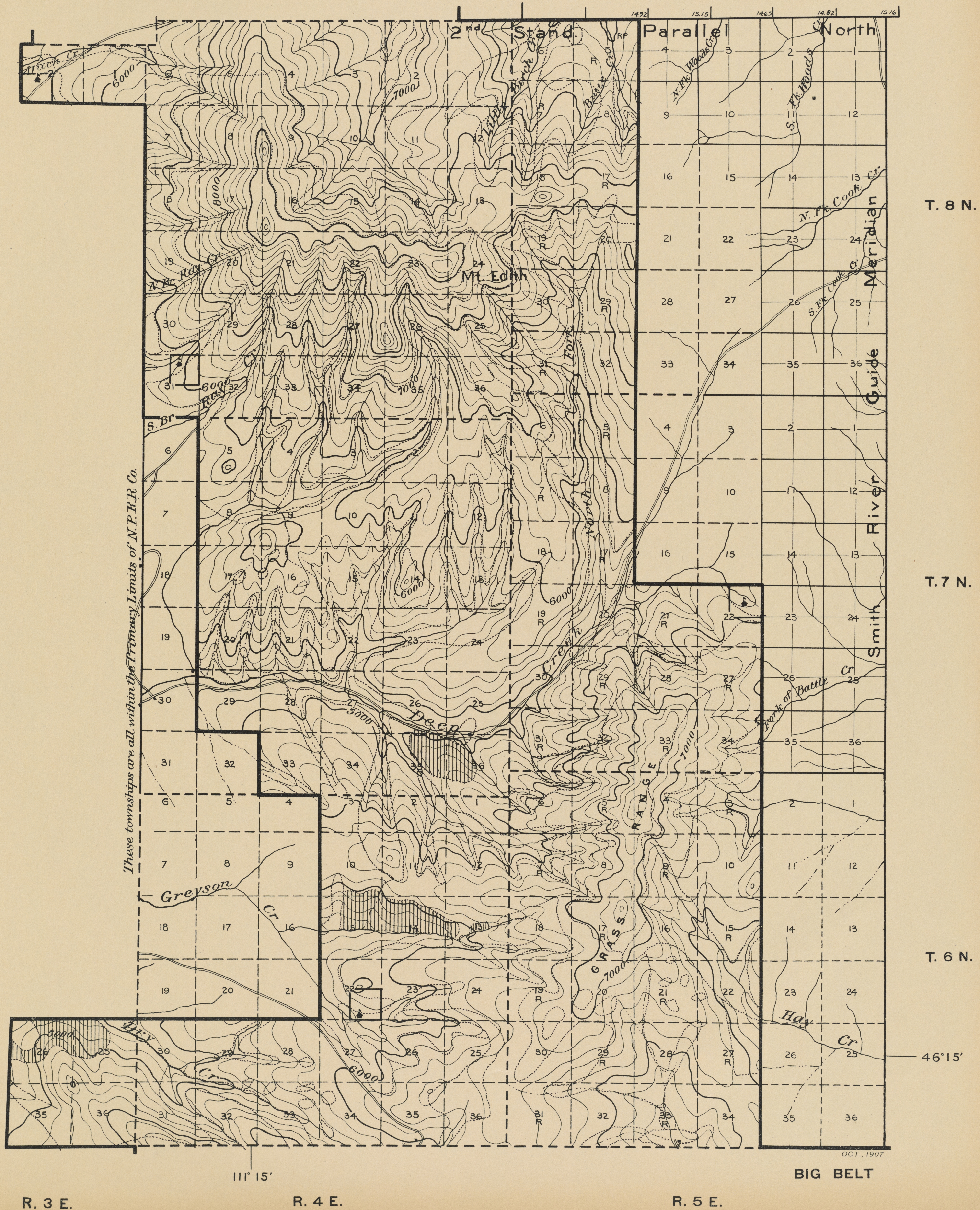
These townships are all within the Primary Limits of N.P.R.R. Co.

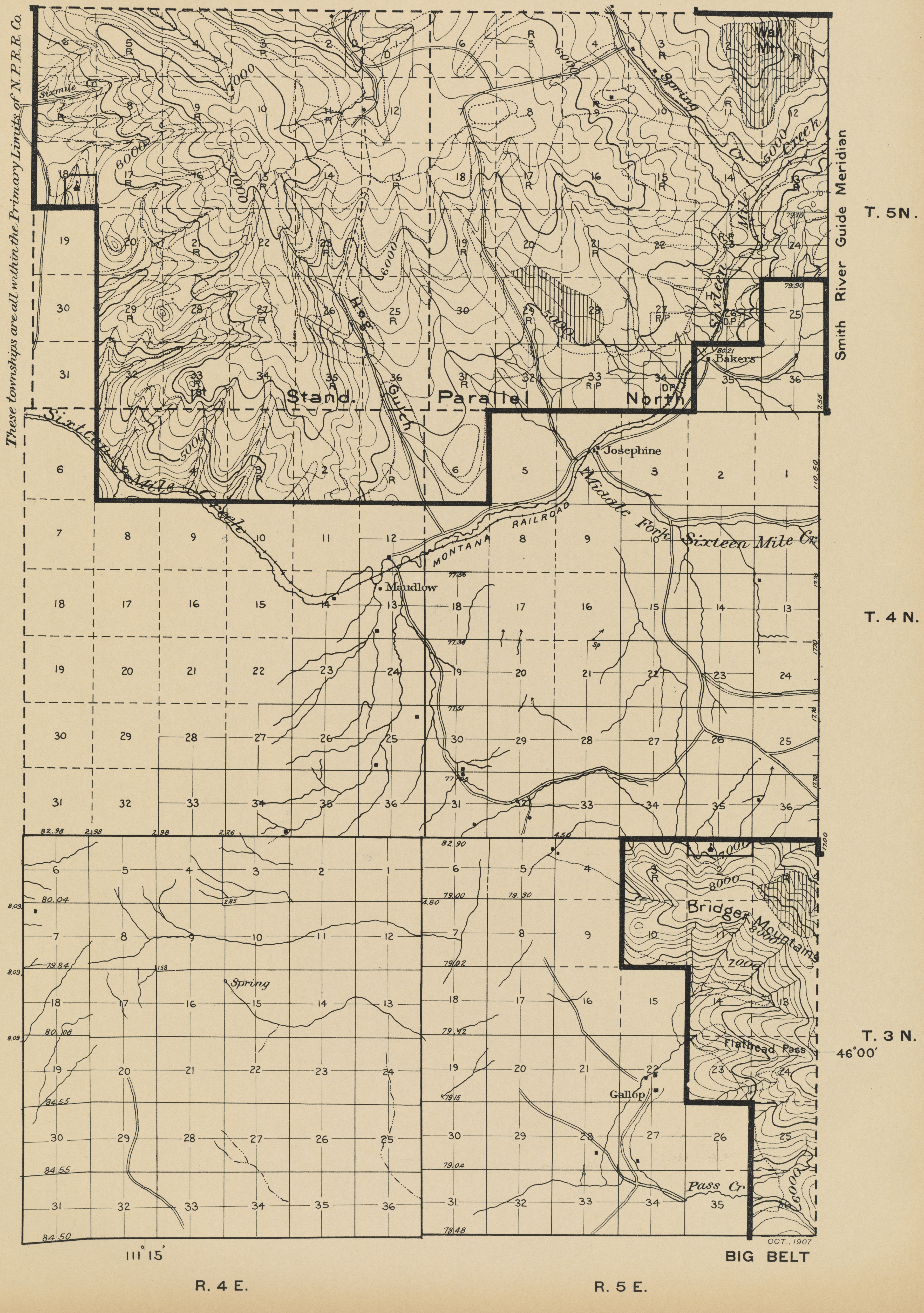
OCT., 1907

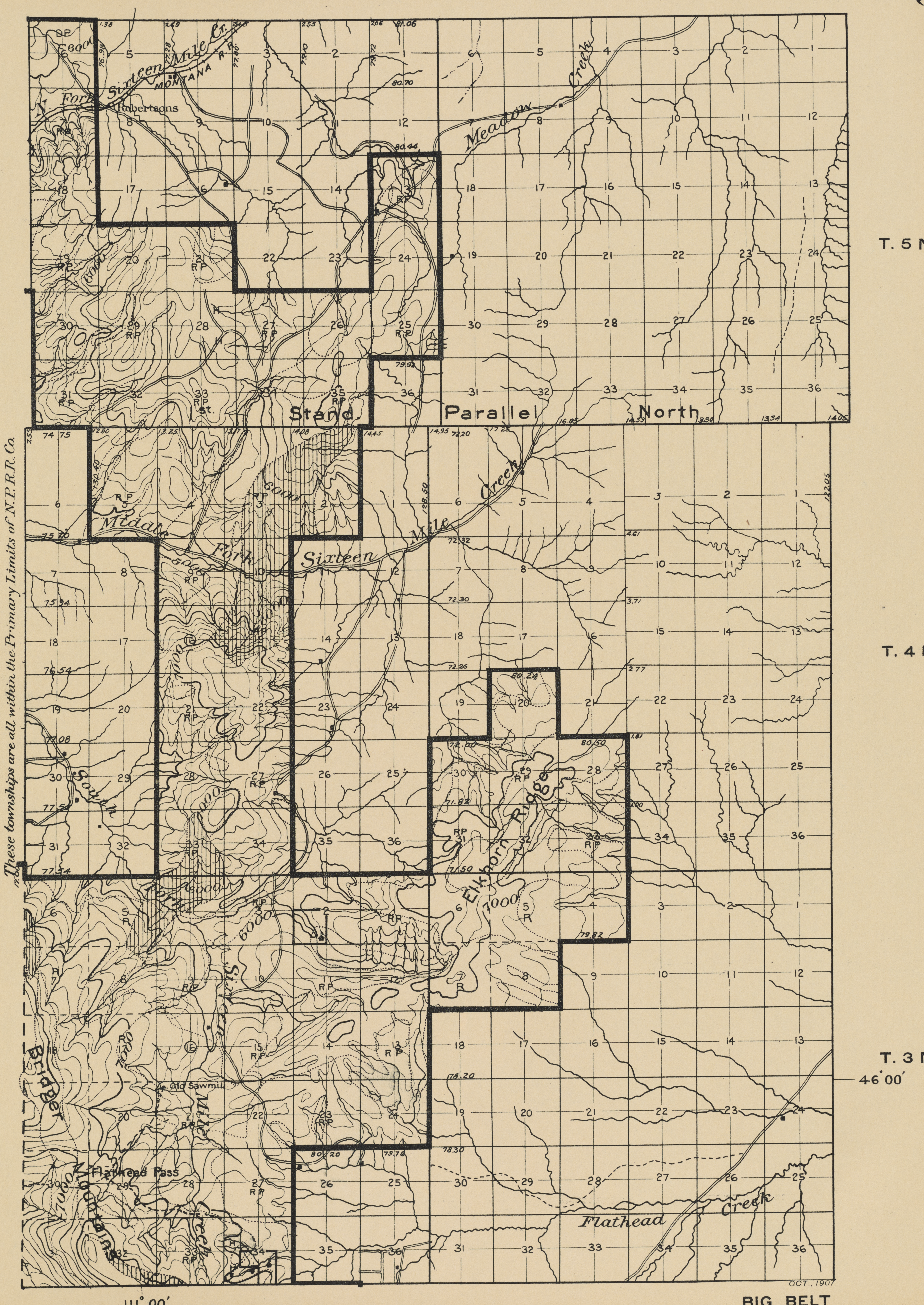

These townships are all within the Primary Limits of N.P.R.R. Co.
T. 11 N.
T. 10 N.
T. 9 N.
46° 30′
111° 30′
R. 1 E.
R. 2 E.
BIG BELT
OCT. 1907
2nd. Stand. Parallel North
7000
6000
5000
4000
Magpie Cr.
Little Hellgate Cr.
HELLGATE GULCH
Avalanche Cr.
BILT GULCH
WHITES GULCH
or WHITES
Wilkes Cr.
MISSOURI RIVER
RIO ID
D
Mill
Diamond
El Dorado
Spring Br.
Confederate Creek
Puitt Cr.
Horse Cr.
W. Fk. Duck Cr.
80.87
80.93
80.85
80.76
81.54
80.70
80.90
80.98
80.94
80.64

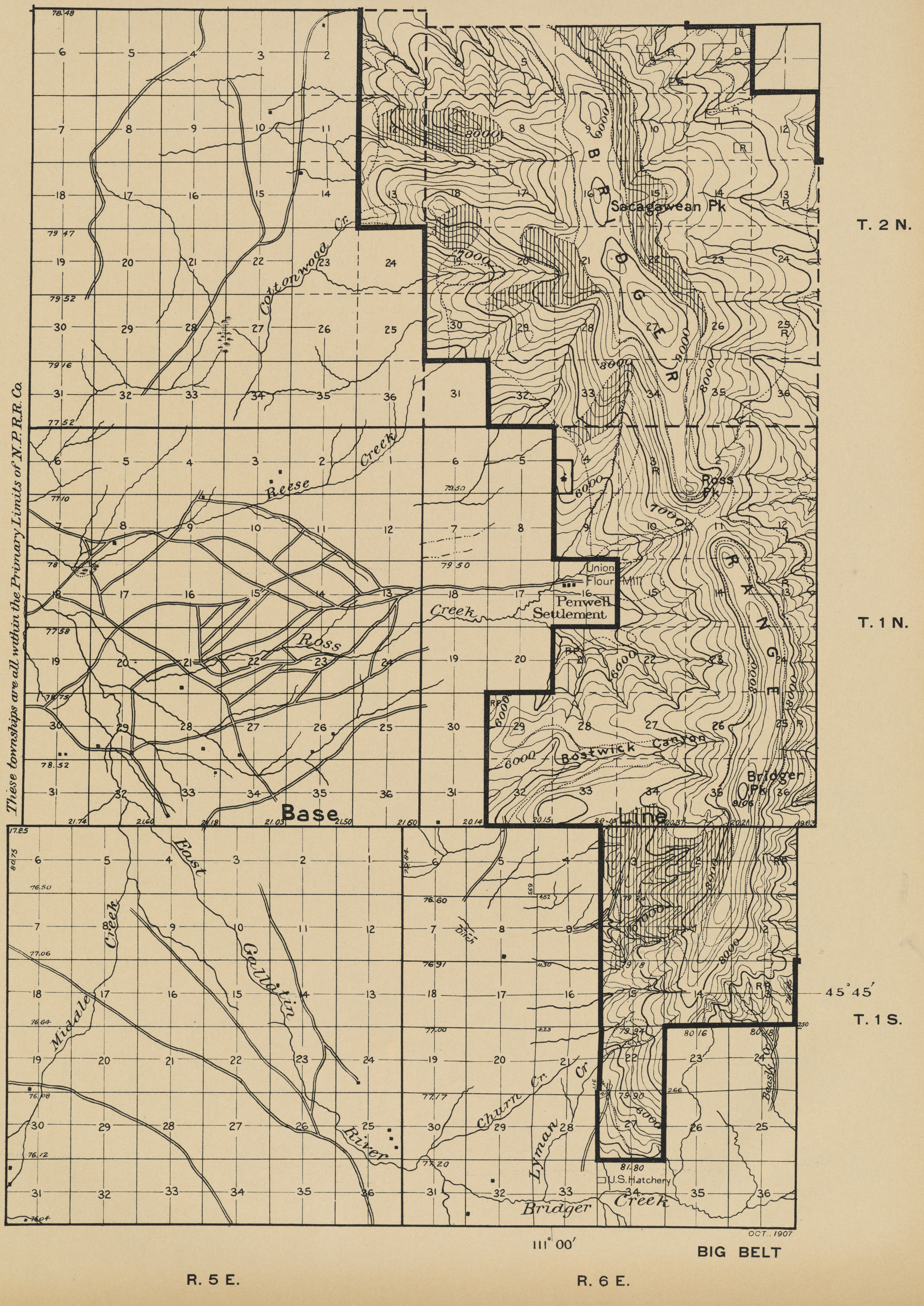

Lewis
Beaver Creek
Benton Creek
Stevens
Watson
Thomas
Creek
Smith River
Fort Logan
Elk Creek
AYERS GULCH
Camas Creek
Moose Cr
Mule Cr
Sawmill
Boulder Cr
Atlanta Gulch
Spring Gulch
Mining Camp
ROAD
Birch Creek
THOMPSON GULCH
MUSCLESHELL
Horse Cr
W. Fk. Duck Cr
Guide Meridian
Smith River
T. 11 N.
T. 10 N.
T. 9 N.
46°30′
2nd. Stand. Parallel North
111°15′
R. 3 E.
R. 4 E.
BIG BELT
OCT. 1907
These townships are all within the Primary Limits of N. P. R. R. Co.
5000
6000
7000
8000

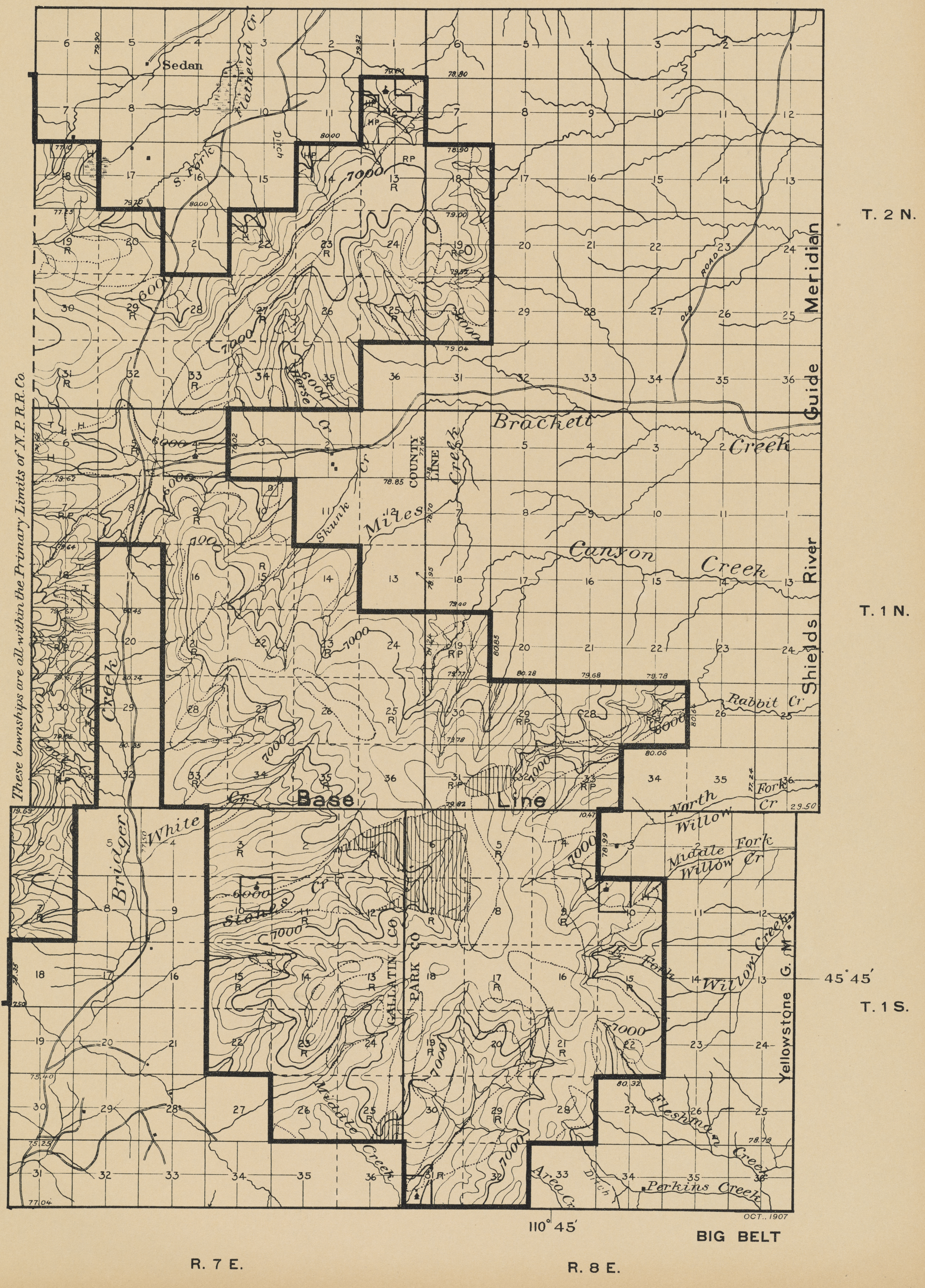
7


2nd Stand. Parallel North
1492
15.15
14.65
14.82
15.16
Mt. Edith
N. Br. Ray Cr.
S. Br. Ray Cr.
Little Birch Cr.
Battle Cr.
N. Fk. Woods Cr.
S. Fk. Woods Cr.
N. Fk. Cook Cr.
S. Fk. Cook Cr.
Guide Meridian
Smith River
North Fork
Deep Creek
Fork of Battle Cr
Greyson Cr
Hay Cr
Dry Cr
GRASS RANGE
6000
7000
8000
5000
These townships are all within the Primary Limits of N.P.R.R. Co.
T. 8 N.
T. 7 N.
T. 6 N.
46°15'
111° 15'
OCT., 1907
BIG BELT
R. 3 E.
R. 4 E.
R. 5 E.


These townships are all within the Primary Limits of N.P.R.R. Co.
Sixmile Cr.
Wall Mtn.
Spring Cr.
Sixteen Mile Creek
Hog Gulch
Stand. Parallel North
Bakers
Smith River Guide Meridian
T. 5 N.
Sixteen Mile Creek
Josephine
Middle Fork Sixteen Mile Cr.
MONTANA RAILROAD
Maudlow
T. 4 N.
Spring
Bridger Mountains
Flathead Pass
T. 3 N.
46°00′
Gallop
Pass Cr.
OCT., 1907
111°15′
BIG BELT
R. 4 E.
R. 5 E.


N. Fork Sixteen Mile Cr.
MONTANA R.R.
Robertsons
Meadow Creek
Stand. Parallel North
Middle Fork Sixteen Mile Creek
South Fork Sixteen Mile Creek
Elkhorn Ridge
Bridger Mountains
Flathead Pass
Old Sawmill
Flathead Creek
These townships are all within the Primary Limits of N.P.R.R.Co.
T. 5 N.
T. 4 N.
T. 3 N.
46°00′
111° 00′
R. 6 E.
R. 7 E.
BIG BELT
OCT., 1907


These townships are all within the Primary Limits of N. P. R. R. Co.
T. 2 N.
T. 1 N.
T. 1 S.
45°45′
111° 00′
R. 5 E.
R. 6 E.
BIG BELT
OCT., 1907
B R I D G E R   R A N G E
Sacagawean Pk
Ross Pk
Bridger Pk
Cottonwood Cr.
Reese Creek
Ross Creek
Union Flour Mill
Penwell Settlement
Bostwick Canyon
Base Line
East Gallatin River
Middle Creek
Ditch
Churn Cr.
Lyman Cr.
Bridger Creek
Baske Cr.
U.S. Hatchery
8000
7000
6000
9106



These townships are all within the Primary Limits of N.P.R.R. Co.

BIG BELT

OCT., 1907

T. 2 N.
T. 1 N.
T. 1 S.
45°45′
110° 45′
R. 7 E.
R. 8 E.
Guide Meridian
Shields River
Yellowstone G. M.
Sedan
Flathead Cr
S. Fork
Ditch
Horse Cr
Brackett Creek
County Line
Skunk Cr
Miles Creek
Canyon Creek
Rabbit Cr
Bridger Creek
Base Line
White Cr
Stones Cr
North Willow
Middle Fork Willow Cr
Fork Cr
E. Fork Willow Creek
Gallatin Co
Park Co
Middle Creek
Area Cr
Fleshman Creek
Perkins Creek
Old Road
7000
6000